



SRI VENKATESWARA COLLEGE OF ENGINEERING & TECHNOLOGY

ISO 9001:2015 Certified

(Approved by AICTE, New Delhi, Affiliated to JNTUGV, Vizianagaram)

Office : +91 9705576693, email: principal_svcet@yahoo.com, website: www.svcet.info

Department of Electronics and Communication Engineering B.TECH PROGRAM OUTCOMES

PO 1	ENGINEERING KNOWLEDGE: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO 2	PROBLEM ANALYSIS: Identify, formulate, research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO 3	DESIGN/DEVELOPMENT OF SOLUTIONS: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO 4	CONDUCT INVESTIGATIONS OF COMPLEX PROBLEMS: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO 5	MODERN TOOL USAGE: select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
PO 6	THE ENGINEER AND SOCIETY: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO 7	ENVIRONMENT AND SUSTAINABILITY: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO 8	ETHICS: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO 9	INDIVIDUAL AND TEAM WORK: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO 10	COMMUNICATION: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO 11	PROJECT MANAGEMENT AND FINANCE: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO 12	LIFE-LONG LEARNING: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



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B.TECH PROGRAM SPECIFIC OUTCOMES

PSO 1	The ability to apply fundamental knowledge of core subjects in design and development of electronic circuits and communication systems.
PSO 2	Apply advance algorithms in communication systems, signals processing and image processing to solve complex problems and design of integrated circuits to build analog and digital systems.
PSO 3	Exploit the concepts of VLSI and Embedded systems for the implementations of Real time applications.

M.TECH PROGRAM SPECIFIC OUTCOMES

PSO 1	Design ASIC and FPGA based systems using industry standard tools.
PSO 2	Ability to attain, identify and apply knowledge of mathematics, science & engineering in Electronics VLSI design discipline to the solution of various engineering problems.
PSO 3	Ability to use techniques and modern CAD Tools so as to implement them in engineering practice to develop professional skills that will prepare the students for immediate employment in the relevant branch of engineering in industry.